



SEQUENCE LISTING

<110> Lukyanov, Sergey

<120> Nucleic Acids Encoding Linked
Chromo/Fluorescent Domains and Methods for Using the Same

<130> CLON-094

<140> us 10/806,930

<141> 2004-03-22

<150> 09/976,673

<151> 2001-10-12

<150> 60/356,225

<151> 2002-02-11

<150> 60/383,336

<151> 2002-05-22

<150> PCT/US02/32560

<151> 2002-10-10

<160> 12

<170> FastSEQ for Windows Version 4.0

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<213> Anthozoa

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 35 40 45
 Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu
 50 55 60
 Tyr Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe
 65 70 75 80
 Phe Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr
 85 90 95
 Tyr Glu Asp Gly Ile Leu Thr Ala His Gln Asp Thr Ser Leu Glu
 100 105 110
 Gly Asn Cys Leu Ile Tyr Lys Val Lys Val Leu Gly Thr Asn Phe Pro
 115 120 125
 Ala Asp Gly Pro Val Met Lys Asn Lys Ser Gly Gly Trp Glu Pro Ser
 130 135 140
 Thr Glu Val Val Tyr Pro Glu Asn Gly Val Leu Cys Gly Arg Asn Val
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 180 185 190
 His Phe Thr Asp Ile Arg Leu Gln Met Leu Arg Lys Glu Lys Asp Glu
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 Tyr Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro
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 Glu Lys Ala Asn Arg Ser Pro Gly Met Val Ser Gly Leu Leu Lys Glu
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 245 250 255
 Phe Lys Cys Glu Gly Glu Gly Asp Gly Asn Pro Phe Ala Gly Thr Gln
 260 265 270
 Ser Met Arg Ile His Val Thr Glu Gly Ala Pro Leu Pro Phe Ala Phe
 275 280 285
 Asp Ile Leu Ala Pro Cys Cys Glu Tyr Gly Ser Arg Thr Phe Val His
 290 295 300
 His Thr Ala Glu Ile Pro Asp Phe Phe Lys Gln Ser Phe Pro Glu Gly
 305 310 315 320
 Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu Asp Gly Gly Ile Leu Thr
 325 330 335
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 340 345 350
 Lys Val Leu Gly Thr Asn Phe Pro Ala Asp Gly Pro Val Met Lys Asn
 355 360 365
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35	40
Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu	

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Phe Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr				
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Tyr Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro				
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Glu Lys Ala Asn Arg Ser Pro Gly Met Val Ser Gly Leu Leu Lys Glu				
225	230	235	240	
Ser Met Arg Ile Lys Met Tyr Met Glu Gly Thr Val Asn Gly His Tyr				
	245	250	255	
Phe Lys Cys Glu Gly Glu Gly Asp Gly Asn Pro Phe Ala Gly Thr Gln				
	260	265	270	
Ser Met Arg Ile His Val Thr Glu Gly Ala Pro Leu Pro Phe Ala Phe				
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His Thr Ala Glu Ile Pro Asp Phe Phe Lys Gln Ser Phe Pro Glu Gly				
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Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu Asp Gly Gly Ile Leu Thr				
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 35 40 45
 Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu Tyr
 50 55 60
 Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe Phe
 65 70 75 80
 Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr
 85 90 95
 Glu Asp Gly Gly Ile Leu Thr Ala His Gln Asp Thr Ser Leu Glu Gly
 100 105 110
 Asn Cys Leu Ile Tyr Lys Val Lys Val His Gly Thr Asn Phe Pro Ala
 115 120 125
 Asp Gly Pro Val Met Lys Asn Lys Ser Gly Gly Trp Glu Pro Ser Thr
 130 135 140
 Glu Val Val Tyr Pro Glu Asn Gly Val Leu Cys Gly Arg Asn Val Met
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 Tyr Arg Ser Lys Lys Ala Val Arg Ala Leu Thr Met Pro Gly Phe His


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Lys	Gln	Ser	Leu	Pro	Glu	Gly	Phe	Thr	Trp	Glu	Arg	Thr	Thr	Thr	Tyr
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Asn	Lys	Ala	Gly	Arg	Trp	Glu	Pro	Ser	Thr	Glu	Ile	Val	Tyr	Glu	Val
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Asp	Gly	Val	Leu	Arg	Gly	Gln	Ser	Leu	Met	Ala	Leu	Glu	Cys	Pro	Gly
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Pro	Ala	Ser	Ala	Leu	Lys	Met	Pro	Gly	Phe	His	Phe	Glu	Asp	His	Arg
			420					425					430		
Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly	Lys	Cys	Tyr	Lys	Gln	Tyr

